

Purdue Univ. Pharm

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BULLETIN

OF

PURDUE UNIVERSITY.

VOL. IV.

APRIL, 1904.

No. 5.

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ANNOUNCEMENT OF COURSES

IN THE

SCHOOL OF PHARMACY,

1904-1905

AND

CATALOGUE OF STUDENTS,

1903-1904.

PUBLISHED BY PURDUE UNIVERSITY, AT LAFAYETTE, INDIANA,
IN OCTOBER, NOVEMBER, FEBRUARY, MARCH AND APRIL.
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1903-4.

UNIVERSITY COURSES OF STUDY.

Purdue University embraces six departments of instruction, the courses in each of which extend through four years and lead to the degree of Bachelor of Science (B. S.).

These departments are:

1. A SCHOOL OF MECHANICAL ENGINEERING.
2. A SCHOOL OF CIVIL ENGINEERING.
3. A SCHOOL OF ELECTRICAL ENGINEERING.
4. A SCHOOL OF APPLIED SCIENCE.
5. A SCHOOL OF AGRICULTURE.
6. A SCHOOL OF PHARMACY.

PURDUE UNIVERSITY.

TWENTY-FIRST ANNUAL ANNOUNCEMENT

OF THE

School of Pharmacy,

1904-1905.

INDIANAPOLIS:

WM. B. BURFORD, CONTRACTOR FOR STATE PRINTING AND BINDING.

1904.

BOARD OF TRUSTEES.

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CALENDAR 1904-1905.

1904.

Entrance examinationTuesday, September 6, 8:30 A. M.
Examination of delinquents..Tuesday, September 6, 8:30 A. M.
First semester beginsWednesday, September 7, 10
A. M.

Thanksgiving holidayThursday, November 24.
Christmas holiday begins....Wednesday, December 21, 4
P. M.

1905.

Christmas holiday ends.....Thursday, January 5, 8 A. M.
First semester ends.....Saturday, January 28, 12 M.
Second semester beginsMonday, January 30, 8 A. M.
Final examination.....Thursday, March 23, 10 A. M.
Commencement,

School of Pharmacy.....Wednesday, March 29.
Commencement dayWednesday, June 7.

SCHOOL OF PHARMACY.

FACULTY.*

WINTHROP ELLSWORTH STONE, PH. D.,
President of the University.

ARTHUR L. GREEN, PH. C.; PH. D.,
Dean and Professor of Chemistry.

STANLEY COULTER, PH. D.,
Professor of Biology.

JULIUS W. STURMER, PH. G.,
Professor of Pharmacy.

BENJAMIN M. HOAK, PH. G.,
Assistant Professor of Materia Medica and Biology.

GUY H. GUTHRIE, PH. G.,
Assistant in Chemistry.

*Instructors in Course I.

SPECIAL LECTURERS.

In addition to the regular members of the faculty the following named special lecturers have assisted in certain instruction:

Pharmaceutical Jurisprudence—

CHARLES M. BRIGHT, LaFayette, Ind.

Different Commercial Topics—

AUGUST J. DETZER, Traveling Salesman for the Indianapolis Drug Company.

CHARLES DOWNING, Traveling Salesman for A. Kiefer & Co., Indianapolis.

LOUIS H. SCHULMEYER, Chemist for Daniel Stewart, Indianapolis.

JOHN S. WRIGHT, Botanist for Eli Lilly & Co., Indianapolis.

J. K. LILLY, President Eli Lilly & Co., Indianapolis.

GEORGE SPITZER, of The Hogan-Johnson Drug Co., LaFayette, Ind.

COMMITTEE ON EDUCATION OF THE INDIANA PHARMACEUTICAL ASSOCIATION.

LEO ELIEL, South Bend.

CHARLES O. PRUTZMAN, Muncie.

GENERAL STATEMENT.

PURDUE UNIVERSITY is the State Institute of Technology. It derives its name, through legislative enactment, from John Purdue, who gave to the State for the use of the institution one hundred and fifty thousand dollars. It has also received a number of gifts from other individuals.

It has an endowment fund of three hundred and forty thousand dollars, received from the general government, and is further supported by legislative appropriations and by the proceeds of annuities granted by the general government.

Its non-productive plant is valued at about nine hundred thousand dollars. This includes one hundred and eighty acres of land, twenty-eight buildings, and a most extensive equipment, including laboratories, shops, museums, library, and reading rooms.

The institution embraces six schools : Mechanical Engineering, Civil Engineering, Electrical Engineering, Agriculture, Science and Pharmacy.

The School of Pharmacy offers excellent training for those who expect to engage in the retail

drug business, and for those who desire to enter the laboratory of a manufacturing pharmacist. The instruction also constitutes a good preparatory course for those who anticipate attending a school of medicine.

Students in Course I are engaged at the University about six hours each day. About two-thirds of this time is devoted to laboratory work, and one-third to lectures and recitations. There are neither lectures, recitations nor quizzes in the evening, that time being allotted to home study and to preparation for the ensuing day's work. The student has, therefore, no time for clerking in a drug store, and must devote his undivided time and energy to his school work.

A complete catalogue of the University will be sent on application.

All correspondence relating to the School of Pharmacy should be addressed to ARTHUR L. GREEN, DEAN, LAFAYETTE, INDIANA.

SPECIAL STATEMENT REGARDING THE PHARMACY LAW.

An act of the Legislature of 1899 requires all druggists in Indiana to obtain a license. In order to secure such license the applicant must (1) pass an examination—(2) according to the grade of license sought, must have had either two or four years' experience in a drug store or pharmacy.

Section 3 of this Act provides further that,

“In the case of an applicant for license as a Registered Pharmacist or as a Registered Assistant Pharmacist, who is a graduate of a school of pharmacy of such standing and requirements as are satisfactory to the Board of Pharmacy, the actual time spent in attendance at such school, shall be accepted as an equivalent for a term of service of equal length in a store or pharmacy where physicians' prescriptions are compounded.”

The authorities of Purdue University are gratified to be able to announce that the Indiana Board of Pharmacy at its regular meeting held July 12, 1899, had under consideration the standing and requirements of Purdue School of Pharmacy and found the same satisfactory in all respects. In accordance with this decision, it agrees, in the case of graduates of this school, to accept the time spent in attendance as an equivalent to an equal time spent in actual service in a store or pharmacy.

EQUIPMENT.

LABORATORIES.—These are properly furnished with weighing tables, supply shelves, and individual working tables for the accommodation of over 100 students.

STORES AND STORE ROOMS.—All apparatus, drugs and chemicals, used in the laboratory work described in the succeeding pages are furnished by the University; none need be supplied by the student. To expedite the issuing of drugs and chemicals there are special store rooms, as follows: One containing supplies for manufacturing chemistry and pharmacy, one for analytical chemistry, one for prescription work, and one for supplies in pharmacognosy and microscopy. The apparatus is kept in a general store room, and is furnished the student by a "storekeeper," who is always in attendance during laboratory hours. We believe that the system employed for the distribution of supplies and apparatus to the students works the highest possible convenience. Much of the student's time is saved thereby.

SPECIAL APPARATUS.—In addition to the apparatus already mentioned, there is the usual lecture

table apparatus for lecture experiments in chemistry and pharmacy. Also special apparatus for special work; for instance, a Laurent polariscope, a combustion furnace, a Eureka tablet machine, etc.

WEIGHING FACILITIES.—For quantitative analysis, there are 15 fine analytical balances—eleven Sartorius short arm, sensitive to .0001 Gm.; two Becker's analytical balances, and two balances made by Eimer & Amend. The prescription room is well supplied with prescription balances and the general laboratories with balances for less delicate weighing.

SPECIMEN CABINETS.—For the study of pharmacognosy there are cabinets of over 2,500 specimens of drugs, chemicals and preparations. These cabinets are for class work, and are known as "working cabinets." There is also the Eli Lilly & Co. reference cabinet of crude drugs (roots, barks, leaves, flowers, seeds, etc.), as they occur in the drug market. Finally a collection of rare drugs, an herbarium of medicinal plants, and a collection of minerals. For microscopic pharmacognosy, and for the detection of adulteration in drugs, there are microscopes, and appliances for section cutting, mounting and similar work.

BOOKS AND REFERENCES.—The leading pharmaceutical journals are kept on file, accessible to the student. Students also have access, under certain restrictions, to the standard reference books on

materia medica, chemistry and pharmacy. In the general library is the "Eliel Alcove," containing reference books presented to the School of Pharmacy by Mr. Leo Eliel, of South Bend, Indiana.

MEDICINAL PLANT FARM.—About one mile west of the University is situated a four-acre piece of land, donated to the School of Pharmacy by Mr. W. W. Young. This land will be used as a farm or garden for the cultivation of medicinal plants, intended for laboratory work in botany, pharmacognosy and pharmacy.

COURSES OF STUDY.

Purdue University offers two courses of study in the School of Pharmacy:

COURSE I of two years, the first year continuing thirty-seven weeks, and the second year twenty-seven weeks. This course leads to the degree of Graduate in Pharmacy.

For a description see below.

COURSE II of four years, of thirty-seven weeks each, leading to the degree of Bachelor of Science in Pharmacy. See page 25.

COURSE I.

DEGREE GIVEN.

Graduate in Pharmacy.

LENGTH OF COURSE.

Two years: One of thirty-seven and one of twenty-seven weeks. The next year opens Wednesday, September 7, 1904.

REQUIREMENTS FOR ADMISSION.

Candidates for admission must have a good knowledge of the common English branches. In arithmetic special familiarity with denominate numbers, fractions, percentage, and proportion will be required. Examination will be held Tuesday, September 6, at 8:30 A. M.

Those presenting satisfactory certificates of proficiency are exempt from the entrance examination. No experience in a drug store is required.

SUBJECTS REQUIRED IN COURSE I.

FIRST YEAR.

SUBJECTS.	No. of Hours in Lecture Room.	No. of Hours in Labora- tory.
1. <i>Pharmacy</i>	74	111
2. <i>Inorganic Qualitative Analysis</i>	74	222
3. <i>Physiology</i>	30	.....
4. <i>Therapeutics and doses</i>	42	.....
5. <i>Pharmacognosy</i>	18	38
6. <i>Medicinal Plants</i> .....	.....	20
7. <i>General Chemistry</i>	74	111
8. <i>Quantitative Analysis</i>	37	111
9. <i>Botany</i>	8	29
Total number of hours for the year..	357	642
Average per week	27	

SECOND YEAR.

10. <i>General Chemistry</i>	54	.....
11. <i>Materia Medica and Therapeutics</i>	81	.....
12. <i>Manufacturing Chemistry and Pharmacy</i> .	81	243
13. <i>Pharmaceutical Analysis</i>	54	162
14. <i>Miscoscopic Analysis of Drugs</i> .....	.....	22
15. <i>Analysis of Urine</i> .....	.....	57
16. <i>Pharmacognosy</i> ....	.....	27
17. <i>Prescription Work</i>	27	81
18. <i>Final Examination</i> .....	.....	.....
Total number of hours for the year..	297	594
Average per week	33	

TOTAL NUMBER OF HOURS IN COURSE I.

	In Lecture Room.	In Labora- tory.	Total.
Both years (sixty-four weeks)	654	1236	1890
Average per week	10	20	30

DESCRIPTION OF THE SUBJECTS REQUIRED IN COURSE I.

FIRST YEAR.

1. *Pharmacy.*

Class Work, 74 Hours.

(a.) Lectures and recitations on systems of weight and measure, specific gravity and its practical utility; on heat, its generation, its measurement and its use in pharmacy.

There will also be lectures and recitations on the various processes and manipulations which find application in pharmaceutical practice: as comminution, solution, filtration, evaporation, precipitation, crystallization, percolation, etc., etc. The working formulas for the manufacture of pharmaceutical preparations will be given; the various methods will be criticised and the merits and demerits of each pointed out to the student.

(b.) The official, and the important unofficial galenical preparations will be subjected to systematic study. Special attention will be given to the chemistry involved.

(c.) The composition of the more important galenical preparations and composite medicines will be studied.

(d.) A practical course in *pharmaceutical arithmetic* will be given. Calculations which find application in practical pharmacy, in manufacturing, and in analytical work, will be taught.

Laboratory Work, 111 Hours.

In the laboratory each student will make, independently, though under the personal supervision of the instructor, the following preparations:

Medicated waters.	Extracts.
Solutions.	Masses.
Syrups.	Glycerites.
Elixirs.	Confections.
Infusions.	Honeys.
Decoctions.	Powders.
Vinegars.	Oleates.
Tinctures.	Ointments.
Fluid extracts.	Cerates.
Soluble extracts.	Plasters.
Spirits.	Pills.
Mucilages.	Capsules.
Mixtures.	Troches.
Liniments.	Suppositories.
Emulsions.	

This, like all the laboratory work in the course, is obligatory; but students who have had much experience and have acquired special skill in manufacturing will be excused from part or all of the above and provided with advanced work.

2. Inorganic Qualitative Analysis.

Class Work, 74 Hours.

Rules are committed on precipitation and on solubility. These rules are of great value, not merely in analytical work, but also in prescription work, where they aid the student in the study of the incompatibilities of inorganic substances. The general processes for the detection of acids and bases are studied by the student. He is also taught to write the equation for each chemical reaction.

Laboratory Work, 222 Hours.

In the laboratory the student verifies the rules on precipitation and solubility; he becomes thoroughly familiar with the chemical behavior of the various acids and bases; he re-

peatedly works through a scheme of separation and identification of the acids and bases; he then subjects individual unknowns (mixtures of chemical compounds) to a qualitative examination, and reports his results to the instructor.

3. *Physiology.*

Class Work, 30 Hours.

This subject is treated as follows: Introductory remarks on human physiology. Chemical composition of the body. The skeleton. The digestive apparatus and digestion. The circulatory apparatus and circulation. The nervous system. The muscles. The respiratory apparatus and respiration. Secretion. Excretion. The special senses. Much attention is paid to hygiene and to the diseases of the different parts of the body.

4. *Therapeutics and Doses.*

Class Work, 42 Hours.

(a.) Study is made of the different therapeutic classes of medicine.

(b.) In connection with learning the therapeutic uses of medicines, the student will learn the quantities in which these medicines are administered. A carefully prepared *dose-table* is given. In this table medicines are grouped in a manner which will enable the student to memorize them with comparative facility.

5. *Pharmacognosy.* (The Recognition of Chemicals and Drugs.)

Class and Laboratory Work, 55 Hours.

The student will be taught to identify chemicals and crude vegetable and animal drugs by physical characteristics—appearance, taste and color. He will also receive a thorough drill on their Latin and English names, with spelling

and pronunciation. History and habitat will be given whenever of practical importance.

These studies will be pursued by the class in sections, so that each student can receive the benefit of individual instruction.

6. Medicinal Plants.

Laboratory Work, 20 Hours.

This work consists in the study of an herbarium of medicinal plants.

7. General Chemistry.

(1.) Inorganic Chemistry.

Class Work, 37 Hours.

(a.) Nomenclature and Notation. Students learn thoroughly the scientific names and the symbols of the more important chemical elements, and the scientific names and chemical formulæ of various inorganic compounds, such as hydroxides, oxides, acids, salts and anhydrides.

(b.) Lectures in General Inorganic Chemistry.

Laboratory Work, 111 Hours.

Inorganic Preparations.

(2.) Organic Chemistry.

Class Work, 37 Hours.

A study is made of the classification of organic compounds, their scientific names, and their molecular and graphic formulæ.

8. Quantitative Analysis. Introductory Work.

Class and Laboratory Work, 148 Hours.

Lectures on the underlying principles of gravimetric and volumetric analysis with laboratory work to verify and

illustrate the same. In the laboratory, the student becomes familiar with quantitative operations in determining moisture, lead, iron, and sulphuric acid, by gravimetric processes; and sulphuric acid, sodium carbonate, and ammonia, by volumetric methods.

9. Botany.

Class and Laboratory Work, 37 Hours.

(a.) Lectures: Treating of the embryo, germination with its conditions and phenomena, structure and functions of the parts of the plant body, assimilation, respiration, growth, irritability, movements and fertilization.

(b.) Laboratory Work: A general study of the parts of the plant, and of plant families.

SECOND YEAR.

10. General Chemistry.

Class Work, 54 Hours.

(a.) Inorganic Chemistry: Recitations on the chemical elements and their compounds. The order in which this part of the subject is studied is based upon the periodic system. Attention is given to the industrial and domestic uses of inorganic chemicals.

(b.) Organic Chemistry: Recitations.

(c.) Physiological Chemistry: Lectures.

11. Materia Medica and Therapeutics.

Class Work, 81 Hours.

Lectures and recitations. Chemical and pharmaceutical substances are studied in the following order:

- (1.) Inorganic Chemicals and Preparations.
- (2.) Organic Chemicals and Preparations.
- (3.) Vegetable Drugs and Preparations.

The drugs are classified and studied according to their active constituents: Fixed oils, alkaloids, gums, mucilaginous principles, volatile oils, resins, gum-resins, balsams, starches, sugars, acids, tannins, coloring matters, and glucosides.

- (4.) Animal Drugs and Preparations.

Beginning with the inorganic chemicals, each substance is treated as follows:

(a.) *Introductory and General.* Study is made of source, Latin and English names, chemical formula, official compounds and preparations, color, form, odor, taste, solubility and preservation.

(b.) *Therapeutics.* Medical action and use, antidote and dose.

12. Manufacturing Chemistry and Pharmacy.

Class Work, 81 Hours.

Lectures and recitations on processes of preparation, impurities, and adulteration of chemical and pharmaceutical substances, which are studied in the following order:

- (1.) Inorganic Chemicals and Preparations.
- (2.) Organic Chemicals and Preparations.
- (3.) Vegetable Drugs and Preparations.
- (4.) Animal Drugs and Preparations.

Laboratory Work, 243 Hours.

Each student will make the following:

(a.) Inorganic Preparations. Crystallized sodium carbonate (from soda ash), sodium benzoate, sodium iodide, sodium bromide, sodium hydrate, sodium sulphite, sodium

phosphate, sodium chlorate, sulphurated potassa, potassium acetate, copper sulphate, silver nitrate (from alloy), magnesium carbonate (light), magnesium carbonate (heavy), precipitated calcium phosphate, zinc chloride, yellow mercurous iodide, red mercuric iodide, yellow mercuric oxide, red mercuric oxide, mercuric chloride, mercurous chloride, mercuric subsulphate, glycerite of boroglycerin, nitrogen monoxide, nitric acid, ammonia water, sulphurated antimony, chromic anhydride, solution of hydrogen peroxide, precipitated sulphur, sulphurous acid, hydrochloric acid, chlorine water, solution of chlorinated soda, dilute hydrobromic acid, syrup of hydriodic acid, mass of carbonate of iron, syrup of ferrous iodide. Also the following scaled salts: Ferric citrate, citrate of iron and ammonium, soluble iron and quinine citrate, iron and potassium tartrate, iron and ammonium tartrate, soluble ferric phosphate, and ferric pyrophosphate.

(b.) Organic Preparations. Methane, chloroform, iodoform, alcohol (by fermentation), absolute alcohol, ether, ethyl acetate, potassium cyanide, hydrocyanic acid, oleic acid, soap, glycerin, ethylene bromide, acetylene, benzene (by distillation from crude benzole), nitrobenzene, aniline, sodium phenol-sulphonate, picric acid, benzoic acid, salicylic acid and artificial oil of wintergreen.

(c.) Elegant Pharmaceuticals. Elixirs, syrups, effervescent salts of the National Formulary, toilet preparations, etc.

13. Pharmaceutical Analysis. (Inorganic and Organic.)

Class Work, 54 Hours.

Lectures and recitations on qualitative tests for identity and for impurities; quantitative estimations, and pharmacopœial requirements of chemical and pharmaceutical substances, which are studied in the following order:

(1.) Inorganic Chemicals and Preparations.

(2.) Organic Chemicals and Preparations.

(3.) Vegetable Drugs and Preparations.

(4.) Animal Drugs and Preparations.

The work may be further classified as follows:

(a.) Classification of first year work in Inorganic Qualitative Analysis, with special reference to testing for impurities in inorganic chemicals, according to the U. S. Pharmacopœia.

(b.) Lectures and recitations on the Quantitative estimation of chemicals and preparation, by both gravimetric and volumetric methods. The quantitative operations of the U. S. Pharmacopœia will be given special prominence in this work.

(c.) Lectures and recitations on methods of identification of the more important organic compounds.

(d.) Lectures and recitations on methods for separation and identification of the more important inorganic and alkaloidal poisons, in the presence of other organic material, illustrating the general methods employed in *Toxicology*.

(e.) Lectures and recitations on *Pharmaceutical Assaying*, which consists in the quantitative estimation of the active constituents in crude drugs and pharmacopœial preparations. This work familiarizes the student with the various standard methods of assaying.

Laboratory Work, 162 Hours.

(a.) Separation and identification of inorganic compounds, together with the identification of impurities in chemicals that fail to fulfill the pharmacopœial requirements for purity.

(b.) Specific gravity and melting point determinations; gravimetric determinations of calcium, magnesium, phosphoric acid, etc.; volumetric determinations by saturation, precipitation, oxidation and reduction; gasometric analysis; quantitative determinations of the U. S. Pharmacopœia.

(c.) Identification of such compounds as alcohol, chloroform, glycerin, glucose, sucrose, chloral hydrate and tannic, gallic, tartaric, benzoic, and salicylic acids.

(d.) Detection of inorganic and alkaloidal poisons, in the presence of other organic material. The student will work on poisoned food, separating and identifying the poisons.

(e.) Estimation of the active constituents of cinchona, opium, nux vomica, aconite, belladonna, guarana, ipecac, podophyllum, fluid extracts, pill masses, scale-salts; also the determination of the amount of alcohol and glycerin in galenical preparations.

14. Microscopic Analysis of Drugs.

Laboratory Work, 24 Hours.

(a.) Mounts are made of each substance examined, and also of its adulterants. These mounts are kept for comparison in working out the adulteration of any particular drug.

(b.) The following drugs are examined microscopically and chemically: Rhubarb, beeswax, lupulin, lycopodium, acacia, elm, mustard, pomegranate, gamboge, kamala, indigo, senna, tea, coffee, saffron, lactucarium. Also the spices: Pepper, capsicum, ginger, allspice, cloves, cinnamon, mace and nutmeg.

15. Analysis of Urine.

Laboratory Work, 57 Hours.

Instruction is given on the composition of urine; on abnormal constituents and their pathological indications.

Laboratory work consists in the chemical and microscopical examination of normal and abnormal urine. The student is furnished with natural (not artificial) samples, obtained through resident physicians.

16. *Pharmacognosy.*

Laboratory Work, 27 Hours.

A review and continuation of the recognition of chemicals and crude drugs of the first year.

Attention is also given to the recognition of the pharmacopœial preparations.

17. *Prescription Work.*

Class Work, 27 Hours.

(a) Lectures in prescription reading, including Latin terminology, pharmaceutical nomenclature, and Latin phrases. There will also be class drills in reading prescriptions, for which purpose an extensive collection of lantern views of fac-simile prescriptions has been made. In addition, the students have the use of thousands of prescriptions taken from the files of drug stores. This collection represents the prescription work of the principal cities of our State.

(b) Lectures and recitations on incompatibilities.

Special attention is paid throughout the year to doses, solubility of chemicals, and to the composition of pharmaceutical preparations.

Laboratory Work, 81 Hours.

In the dispensing laboratory, students experiment with incompatible mixtures, thereby becoming familiar with the difficulties commonly met with at the prescription counter, and learning how best to overcome them. They fill numerous prescriptions taken from the files of drug stores, besides many typical ones furnished by the instructor.

The acquisition of manipulative skill—skill in measuring, weighing, powder folding, pill rolling, capsule filling, etc.—constitutes a prominent feature of this work.

18. Final Examination.

This examination is conducted by the Committee on Education of the Indiana Pharmaceutical Association and the faculty of the School of Pharmacy, and will be held Thursday, March 23, 1905. No student will be allowed to take this examination unless his previous scholarship is satisfactory.

COMMERCIAL PHARMACY.

During the school year there will be about forty-five lectures on topics pertaining to commercial pharmacy. Some of these lectures will be given by members of the faculty; others by specialists and by successful business men.

Commercial Law (ten lectures), Bookkeeping for Retail Pharmacists, How to Advertise, Photographic Supplies, Perfumes and the Perfume Trade, Sponges and the Sponge Trade, Brushes and the Brush Trade, Surgical Dressings, are some of the subjects which will be given in the course in commercial pharmacy.

While the primary object of this school is to give training in scientific pharmacy, the fact that the modern pharmacist must be a business man is not lost sight of, and a special effort is made to prepare the student for a successful career.

TEXT-BOOKS.

The following text-books (latest editions) will be used:

FIRST YEAR.

U. S. Pharmacopœia, 1900 (when issued).

Caspara's Treatise on Pharmacy, Third Edition (when issued).

Sturmer's Course in Pharmaceutical Arithmetic.

Newell's Descriptive Chemistry.

Green and Vanderkleed's Course in Qualitative Chemistry.

Perkins and Kipping's Organic Chemistry.

Kellerman's Botany and Spring Flora.

SECOND YEAR.

Ruddiman's Incompatibilities in Prescriptions.

Halliburton's Essentials of Chemical Physiology.

Base's Elements of Vegetable Microscopy.

National Formulary.

EXPENSES.

The fees, which are payable in advance, are as follows:

FIRST SEMESTER.

Entrance fee	\$5 00
Incidentals.....	5 00
Chemicals.....	14 00
Deposit for breakage.....	10 00
Total.....	<u>\$34 00</u>

SECOND SEMESTER.

Incidentals.....	\$5 00
Chemicals.....	14 00
Total.....	<u>\$19 00</u>

The fees for the entire year being \$53.00.

Good board may be had for \$3.00 a week. Furnished rooms can be had for about \$1.00 per week, when two students room together. The total expense of board, room rent, fuel, fees, books, and laundry for twenty-seven weeks need not exceed \$190, and for thirty-seven weeks need not exceed \$250. A fee of \$5.00 will be required for the diploma.

COURSE II.

DEGREE GIVEN.

Bachelor of Science in Pharmacy.

LENGTH OF COURSE.

Four years of thirty-seven weeks each. The next year opens Wednesday, September 7, 1904.

REQUIREMENTS FOR ADMISSION.

These are stated in detail on page 154 of the general catalogue of the University. The catalogue will be furnished on application.

SUBJECTS IN COURSE II.

FRESHMAN YEAR.

Mathematics:
English:
German:
Botany:
Chemistry:
Free Hand Drawing from Model:
Military Drill.

SOPHOMORE YEAR.

English:
Physics:
French:
Chemistry: Lectures.
Chemistry: Laboratory.
Biology:
Military Drill.

JUNIOR YEAR.

Literature: English Prose Writers.

Language: German or French.

History: General History.

Inorganic Preparations: A part of Subject 7 in Course I.
See page 16.

Animal Histology: Microscopic Technique.

Pharmacy: A part of Subject 1 in Course I. See page 13.

Therapeutics and Doses: The same as Subject 4 in Course I.
See page 15.

Pharmacognosy: The same as Subject 5 in Course I. See
page 15.

Medicinal Plants: The same as Subject 6 in Course I. See
page 16.

Organic Chemistry: A part of Subject 7 in Course I. See
page 16.

Quantitative Analysis: The same as Subject 8 in Course I.
See page 16.

SENIOR YEAR.

Human Physiology:

Political Economy:

Materia Medica and Therapeutics: The same as Subject 11
in Course I. See page 17.

Manufacturing Chemistry and Pharmacy: The same as Sub-
ject 12 in Course I. See page 18.

Pharmaceutical Analysis: A part of Subject 13 in Course I.
See page 19.

Microscopic Analysis of Drugs: The same as Subject 14 in
Course I. See page 21.

Analysis of Urine: The same as Subject 15 in Course I.
See page 21.

Pharmacognosy: The same as Subject 16 in Course I. See
page 22.

Prescription Work: The same as Subject 17 in Course I. See page 22.

Final State Examination: The same as Subject 18 in Course I. See page 23.

Food Analysis. Class and Laboratory Work.

Lectures on methods of food analysis and the detection of impurities and adulterations.

The student analyses, and tests for adulteration, such foods as milk, butter, cheese, sugar and vinegar. The sugar analysis includes polariscopic determinations.

Pharmaceutical Jurisprudence: Lectures on the legal duties and liabilities of the druggist.

Water Analysis (Sanitary and Mineral): Lectures on the classification and composition of natural waters, methods of analysis, and interpretation of results.

Each student will subject two samples of water to mineral analysis, and five samples of drinking water to sanitary analysis.

Bacteriology: This subject may be chosen by the student in the place of Pharmaceutical Analysis, Food Analysis, and Water Analysis.

Thesis: As a condition of graduation, each student in this course must prepare a thesis upon some approved subject, requiring original study and investigation.

EXPENSES.

Entrance fee	\$5 00
Tuition fee, except to students who enter from Indiana, per annum	25 00
Incidental fee, per annum.....	10 00
Laboratory and library fees, per annum—	
Freshman.....	12 00
Sophomore.....	16 00
Junior.....	20 00
Senior.....	20 00

One-half of the incidental fee and one-half of the laboratory and library fee are payable at the beginning of the first semester, and the remainder at the beginning of the second semester.

Laboratory fees cover expenses for drawing paper, chemicals, and all other laboratory material used by students, and for the use of microscopes and other apparatus.

Students are required to make deposits for breakage and use of apparatus in chemistry and pharmacy.

Freshmen, for chemistry	\$2 50
Sophomore, for chemistry.....	5 00
Junior, for pharmacy	5 00
Senior, for pharmacy	10 00

STUDENTS 1903-1904.

COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY.

FIRST YEAR.

CHARLES W. ANDERSON	Swayzee.
OSCAR H. AUGSPURGER	Berne.
EDWIN H. BAILEY	Sharpsville.
JOSEPH F. BRUNNER.....	Kokomo.
WALTER O. CALDWELL.....	Ft. Smith, Ark.
GEORGE C. CARPENTER.....	Terre Haute.
JOHN K. CRANDALL.....	Edgar, Ill.
DAISE M. EMSWILLER.....	Montpelier.
HARMON B. FOX.	Bicknell.
DANIEL P. GRIFFIN.....	Corydon.
THURMAN T. HALL	Indianapolis.
CLIFFORD HAMERSLEY.....	Clinton.
WILLIAM P. HANNA.....	LaFayette.
HARRY M. HATFIELD	Greensfork.
WILLIAM J. HOGAN.....	LaFayette.
PHILIP E. HOOP.....	Shelbyville.
JOSEPH P. JAY.....	Kokomo.
VIRGIL JALBERT.....	Brazil.
WALTER E. JOLLY.....	Scipio.
GROVER C. KOHL	Burlington.
DAVID J. LAVEN.....	South Bend.

WILLIAM G. LEUKHARDT	Indianapolis.
CLIFFORD B. LEWIS	Buck Creek.
ADDISON R. MAGEE	Greensburg.
FRED MARRS	Dudley, Ill.
PAUL R. F. MARTIN.....	Marion.
WILLIAM H. MAYO, JR.....	Frankfort, Ky.
CHARLES H. MILLER.	Ft. Wayne.
WALTER G. MILLER.....	Indianapolis.
LARUE B. MOODY	LaFayette.
FRANK V. MCCOLLOUGH.....	Scottsburg.
JAMES P. McMILLAN	Medora.
THOMAS M. O'CONNOR.	Remington.
ARTHUR A. OSBURN	Sullivan.
JOSEPH A. PYLE	West LaFayette.
HARLEY P. RAGER	Silver Lake.
RALPH T. RAYMOND.....	Henryville.
ROY B. REEDER	Rockville.
WILLIAM F. ROBINSON.....	Indianapolis.
SAMUEL P. ROUSH.....	Bluffton.
WALTER H. SCHULTE.....	Evansville.
WALTER W. SHERTZER.....	Bloomfield.
ANDREW J. SHURTE	Wanatah.
ROY M. SKINNER	Albion.
ASA E. SMITH ..	Logansport.
HERBERT B. SMITH.....	Marion.
RALPH H. SMITH	Knox.
EDWIN D. TURNER	Indianapolis.
JOHN H. WEAVER.....	Marion.

SECOND YEAR.

LEWIS M. BRITTON.....	Corunna.
FRANCIS E. BIBBINS.....	Delphi.
RALEIGH O. BILLMAN	Shelbyville.
ALBERT W. CAMPBELL.....	Huntington.

ROSCOE A. CARVER.....	Lapel.
RAY S. DAWES.....	Muskegon Heights, Mich.
LEROY DONNELLY.....	Terre Haute.
LANDIS G. ENGLE.....	Monticello.
ANNA FULTON.....	Bluffton.
WILLARD C. GANTZ.....	Saline City.
GEORGE T. GRAVES.....	Albion.
WILLIAM O. HOPPES.....	Red Key.
LEONARD H. LANG.....	South Bend.
CHARLES H. LAWSHE.....	Swayzee.
WILLIAM F. LEWELLYN.....	Malott Park.
JAMES H. B. LOGAN, JR.....	Rockport.
HARRY R. MADDUX.....	Montpelier.
HELEN C. MCKINNEY.....	Bremen.
GERTRUDE L. MILLER.....	Greensburg.
CLARENCE E. MILLER.....	Indianapolis.
CLIFFORD V. NEWELL.....	Denver.
ALPHA B. OTTO.....	Auburn.
FRANK S. PENCE.....	Frankfort.
WIBERT PRICE.....	Spencer.
WILLIAM C. H. ROESENER.....	Indianapolis.
JAMES M. REDD.....	Grammer.
LOUIS M. RICE.....	Decatur.
AUGUST C. SCHOENEFELD.....	Terre Haute.
HARRY A. SCHWANKHAUS.....	Indianapolis.
BERNARD W. SEAL.....	Loogootee.
RICHARD W. SMITH.....	Indianapolis.
ROBERT T. SPAIN.....	Terre Haute.
ROY L. STEELE.....	Oxford.
WALTER A. STOUT.....	Indianapolis.
CLAUDE D. WALL.....	Van Buren.
GARTH B. YOUNG.....	Frankfort.

COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY.

SENIOR,

ARTHUR G. WALTERS.....Battle Ground.

SUMMARY.

In course leading to Ph. G.—

First year.....	49
Second year.....	36
Total	85

In course leading to B. S. in Pharmacy.—

Senior.....	1
Total number of students in School of Pharmacy	86

ALUMNI.

With the Degree of Doctor of Pharmacy.

JOHN N. HURTY, M. D., analytical chemist, Indianapolis, Ind., President, and Professor of Chemistry and Metallurgy in Indiana Dental College; Lecturer on Hygiene in Indiana Medical College; Secretary State Board of Health.

GEORGE W. SLOAN, M. D., at one time President of the American Pharmaceutical Association; member of the Board of Trustees of U. S. P. Convention, and member of the Indiana Board of Pharmacy; deceased.

JOSEPH R. PERRY, M. D., deceased.

With the Degree of Graduate in Pharmacy.

1886.

ERNEST G. EBERHARDT, analytical chemist for Eli Lilly & Co., Indianapolis, Ind. Address, 116 North Arsenal Avenue.

MANUAL JAY, physician, Gunnison, Colo.

JOHN KENNEDY, at one time President of the Indiana Pharmaceutical Association, deceased.

EDWIN J. MOWRY, prescription clerk with J. E. Sturgis, Bluffton, Ind.

LOUIS H. SCHULMEYER, chemist for Daniel Stewart Co., wholesale druggists, Indianapolis. Address, 725 Capitol Avenue, N.

BERT D. WESTENFELDER, address not received.

EMORY J. YEAGER, pharmacist, in the firm of Wells, Yeager & Best Co., LaFayette, Ind.

1887.

- MILLARD CALDWELL, cigars and tobacco, 118 Jefferson Street, Hartford City, Ind.
 WILLIAM H. DICKINSON, manufacturing chemist, with Irwin, Neisler & Co., Decatur, Ill.
 CHARLES L. HACKETT, pharmacist in the firm of John Hackett & Son, Roanoke, Ind.
 WILLIAM M. ROSS, deceased.
 ALBERT W. SHOUP, physician, West LaFayette, Ind.

1888.

- PETER H. FETTERS, farmer, Goshen, Ind.
 SAMUEL KENNEDY, physician, ex-vice-president State Medical Society, ex-president of the Mitchell District Medical Society, member of the United States Pharmacopœial Convention, 1900, Shelbyville, Ind.
 GEORGE C. MORRISON, pharmacist, Virginia Avenue and South Street, Indianapolis, Ind.
 HENRY D. RIDGELY, superintendent Eli Lilly & Co., manufacturing pharmacists, Indianapolis, Ind.
 WILLIAM H. STUDLEY, business manager and pharmacist to the Riverside Sanitarium, 1370 Humboldt Avenue, Milwaukee, Wis.
 WILLIAM H. VAWTER, West LaFayette, Ind.

1889.

- ADEN L. CAVINS, pharmacist, Bloomfield, Ind.
 HENRY H. HARRIS, address not received.
 LUTHER J. HORD, with the Westfall Drug Co., Oklahoma City, Okla. Address, 301 N. Robinson Street.
 MERIT POST, address not received.
 CHARLES W. SHAFER, pharmacist in the firm of Shafer & Goodwin, Mentone, Ind.
 GEORGE SPITZER, Hogan and Johnson Drug Co., LaFayette, Ind.
 CORTICE M. WARNER, salesman with Eli Lilly & Co., manufacturing pharmacists, Indianapolis, Ind.

1890.

- DON CARLTON WHITEHEAD, pharmacist, Monclova, Ohio.
- ROBERT W. ALLEN, pharmacist, 1788 W. Chicago Avenue, Chicago, Ill.
- ELDEN BEAZLEY, pharmacist, Union, Ind.
- MOSES T. BOGGS, B. S., with the Weber Drug Co., Indianapolis, Ind.
- BERT CRITZ, Prescription clerk, with the Marion Drug Co., Marion, Ind.
- JOHN E. DUNLAVY, pharmacist, Greencastle, Ind.
- WILLIAM E. EASTERDAY, with Some's Insurance, Real Estate and Collection Agency, 507 Ohio Street, Terre Haute, Ind.
- JOSEPH L. FEIBLEMAN, broker, dealing in drugs, chemicals, glassware, etc.; also in real estate business. Address, 142 Market Street, Newark, N. J.
- GEORGE W. LACEY, address not received.
- ALVIN H. LEESER, pharmacist, 1482 N. Clark Street, corner Oakdale Avenue, Chicago, Ill.
- HENRY W. MEINZEN, pharmacist, 1118 Maumee Avenue, Fort Wayne, Ind.
- FRANK RIGGS, 217 E. Second Street, Marion, Ind.
- FRANK E. SHATTUCK, traveling salesman, with Charles Leich & Co., Evansville, Ind. Address, Princeton, Ky.
- MARION A. STOUT, pharmacist, Bluffton, Ind.
- CHARLES W. WATKINS, pharmacist, at the Eichrodt Pharmacy, Illinois Street, Indianapolis, Ind.
- MARION WESTFALL, pharmacist, corner Leffingwell Avenue and Morgan Street, St. Louis, Mo.

1891.

- JOSEPH H. ANDERSON, pharmacist, Egan, South Dakota.
- JONATHAN M. BAUER, pharmacist, Payne Avenue, corner Huntington Street, Cleveland, Ohio.
- ISAAC D. BONNETT, pharmacist, in the firm of I. D. Bonnett & Co., 231 South Market Street, Shreve, Ohio.

- PAUL D. BROWN, prescription clerk, with A. C. Pilkenton,
Greenfield, Ind.
- CHARLES C. CRAMPTON, physician, Delphi, Ind.
- AUGUST DIEHL, pharmacist, 1233 North Fourteenth Street,
LaFayette, Ind.
- WILLIAM S. GREEN, pharmacist, Central City, Colo.
- WILLIAM J. HART, deceased.
- ALVIN L. HILLS, address not received.
- JAMES W. KYLE, address not received.
- JOSEPH O. McCARTY, deceased.
- JOHN S. MAX, address not received.
- OSCAR A. MEANS, Pharmacist, 413 Broadway, Logansport,
Ind.
- GEORGE C. METZGER, deceased.
- LOUIS W. PLOGSTERTH, prescription clerk, with S. Mühl,
949 N. Illinois Street, Indianapolis, Ind. Residence, 519
Davidson Street.
- FRED P. PIKE, pharmacist, corner 21st Street and Central
Avenue, Indianapolis, Ind.
- WILDEY F. REYNOLDS, pharmacist, corner 10th and West
Streets Indianapolis, Ind.
- DAVID L. RIFE, prescription clerk, with C. F. Lay, 354 W.
Washington Street, Indianapolis, Ind.
- HARRY E. SHARRER, physician, Hammond, Ind.
- JAMES R. SPIVEY, prescription clerk, with C. C. Deam,
Bluffton, Ind.
- FRANK O. STABLER, deceased.
- JULIUS W. STURMER, Professor of Pharmacy, Purdue Uni-
versity.

1892.

- JOSEPH D. BARTLETT, pharmacist, in the firm of Bartlett &
Co., LaFayette, Ind.
- FRANK M. BEST, pharmacist, in the firm of Wells, Yeager
& Best Co., LaFayette, Ind.

- JOHN BRIGHT, traveling salesman, with The Tilden Co., St. Louis, Mo. Address, Wabash, Ind.
- ALBERT H. CAULKINS, traveling salesman, with Eli Lilly & Co., Indianapolis, Ind.
- FRANK CAVINS, prescription clerk, with A. L. Cavins, Bloomfield, Ind.
- LOVE E. CRAMPTON (Mrs. Albert H. Caulkins), LaFayette, Ind.
- GEORGE E. CRAVENS, pharmacist, Bloomfield, Ind.
- JAMES F. FISKE, pharmacist, corner of Main and Mill Streets, Lead, South Dakota.
- NATHAN K. GARHART, President of the Garhart Dental Manufacturing Co., Indianapolis, Ind.
- L. EDWARD GREEN, pharmacist, in the firm of Andrews & Co., Connersville, Ind.
- FRANK GRIFFITH, pharmacist, with Matkin Bros., chemists, 106 43d Street, Chicago, Ill.
- NINA B. HART, nurse in the sanitarium, Evansville, Ind.
- BENJAMIN M. HOAK, assistant professor of Materia Medica, Purdue University.
- EDWARD KADEL, manufacturing pharmacist, with Cook, Bell & Black, Terre Haute, Ind.
- JOHN W. McMAHAN, physician, Earl Park, Ind.
- JOHN H. MILLER, prescription clerk, with R. G. Moore, Vincennes, Ind.
- JOHN ROSCOE MUTZ, pharmacist, in the firm of Mutz & Lynch, Edinburg, Ind.
- EMIL REYER, chemist and superintendent of the drug department of the American Malt Cream and Drug Co., Mishawaka, Ind. Address, 514 Portage Ave., South Bend, Ind.
- GEORGE B. SLOAN, with the Owl Drug Co., 1128 Market St., San Francisco, Cal.
- FRANK M. THORN, deceased.
- THOMAS A. WEST, pharmacist, in the firm of Ott & West, Rockville, Ind.

1893.

GEORGE W. BATES, pharmacist, in the firm of Moore & Bates, Palmyra, Mo.

JAMES BRADEN, deceased.

JOSEPH E. CARSON, pharmacist, in the firm of J. E. Carson & Co., West LaFayette.

JOHN C. CLARK, pharmacist, 648 E. Washington Street, Indianapolis, Ind.

ROWLAND E. CLARK, pharmacist, 4 W. Market Street, Wabash, Ind.

JOSEPH L. CRAMER, pharmacist, Covington, Ohio.

MAYNARD M. ERB, assistant manager Case Lumber Co., Chattanooga, Tenn.

J. R. FRANCIS, pharmacist, in the firm of Hurty-Francis Pharmacy Co.; Lecturer on Pharmacology at Central College of Physicians, Indianapolis, Ind.

WALTER L. GERHART, deceased.

WALTER E. HARDMAN, physician, Lagro, Ind.

ISAAC M. HENDERSON, address not received.

GUS HESS, deceased.

JUSTUS C. HOUSER, Ph. C., pharmacist, in the Houser Drug Co., Flat River, Mo.

JACOB A. LONG, prescription clerk, with M. Stout, Bluffton, Ind.

MYRTLE L. McMAHAN, Principal of Central Building, City Schools, Hartford City, Ind.

LOREN B. MILLER, deceased.

HENRY H. NEAL, deceased.

JOHN H. ROCKWOOD, pharmacist, Sedalia, Ind.

JAMES H. WELLINGTON, prescription clerk with R. G. Ruth erford, 180 Myrtle Ave., Brooklyn, N. Y.

WOOD WILES, pharmacist, Bloomington, Ind.

LEONARD D. WORDEN, merchant, Momence, Ill.

1894.

- CHRISTIAN H. ALBERSMEYER, pharmacist, 92 Wells Street,
Fort Wayne, Ind.
- WILLIAM N. ARNETT, prescription clerk, with Huder's Pharmacy No. 2, 22 West Washington Street, Indianapolis,
Ind.
- FRANK R. BASS, pharmacist, in the firm of G. W. Bass & Son, Martinsville, Ind.
- HARRY T. S. BEST, in the laboratory of C. J. Lincoln Co.,
wholesale druggists, Little Rock, Ark.
- DALLY BLAND, in charge of laboratory, with T. P. Marshall,
Macon, Ga.
- FRANK J. BOATMAN, pharmacist, 16th and Montcalm Streets,
Indianapolis, Ind. Residence, 525 N. New Jersey Street.
- HARVEY A. BURKEE, address not received.
- ALEXANDER M. CARTER, address not received.
- GEORGE A. CLAPESATTLE, pharmacist, 2514 Broadway, Fort
Wayne, Ind.
- GEORGE C. CULLOM, pharmacist, in the firm of Ashman &
Cullom, Frankfort, Ind.
- EDWIN C. DOWNEY, attorney, Churubusco, Ind.
- OLIVER E. DUNN, pharmacist, Spencer, Ind.
- FREDERICK H. FLAUGHER, prescription clerk, with Bowles
Bros., Bloomington, Ind. Residence, 409 E. Fourth
Street.
- MABEL E. FLEMING, prescription clerk, with Joseph T.
Fleming, Princeton, Ind.
- WILLIS H. FOX, prescription clerk, with C. A. Fellows,
Three Rivers, Mich. Residence, 511 East Street.
- OTTO F. GRAHL, address not received.
- NORRIS H. HARDING, with Geo. A. Kelly Co., wholesale
druggists, Pittsburg, Pa.
- GEO. W. C. HAINES, pharmacist, Clark's Hill, Ind.
- LEONIDAS C. HINCHMAN, prescription clerk, with Hurty-
Francis Pharmacy Co., Pennsylvania and Ohio Streets,
Indianapolis, Ind.

- HARRY C. JAMES, prescription clerk, with the William Johnson Drug Co., LaFayette, Ind.
- ORLEY EVERT KENNON, with the American Surety Co. of New York. Address, 704-11 Marquette Building, Chicago, Ill.
- J. DILLON KING, pharmacist, in the firm of J. D. King & Co., Thirteen and Main Streets, Terre Haute, Ind.
- WILLIAM F. KIRKHOFF, prescription clerk, with A. W. Clark, 801 Santa Fe Avenue, Denver, Colo.
- JOHN H. KNEALE, pharmacist, Brookston, Ind.
- CHARLES O. MAPLE, pharmacist, Bloomington, Ind.
- AMOS M. MARSH, student in the Pennsylvania College of Dental Surgery, Philadelphia, Pa.
- THOMAS P. MARSHALL, manufacturing pharmacist, Macon, Ga.
- HENRY M. MEHLIG, physician, Tipton, Ind.
- PERRY M. MURPHY, president Murphy Bros. Clay Co., 93 Lombard Building, Indianapolis, Ind.
- GUSTAVUS A. PETERSDORF, physician, and assistant in chemistry at the Medical College of Indiana. Address, 1103 S. East Street, Indianapolis, Ind.
- CONRAD SCHROEDER, pharmacist, in the firm of Ensminger & Schroeder, Shelbyville, Ind.
- OLIVER W. STEPHENSON, pharmacist, Orleans, Ind.
- FREDERICK A. STOKES, address not received.
- GEORGE H. STOTLER, deceased.
- EDWARD C. TINSLEY, physician, 16th and Columbia Avenue, Lecturer on Materia Medica Central College Physicians and Surgeons, Assistant Surgeon Big Four R. R. Residence, 2344 Park Avenue, Indianapolis, Ind.
- ALVA I. ULRICH, dispensing pharmacist, with W. W. Reburn, Kalamazoo, Mich.

1895.

- FRANK W. ARTHUR, prescription clerk with Spiker's Pharmacy, Uhrichsville, Ohio.
- ARRY BALDWIN, pharmacist, Noblesville, Ind.

HENRY L. BEERMAN, address not received.

ARTHUR BEUKE, Secretary and Manager Meyer Bros. Co.,
Fort Wayne, Ind.

RUDOLPH P. BISCHOFF, with the Burkhart Brewing Co.,
Boston, Mass.

WALTER W. BRIGGS, address not received.

JAMES D. BROWN, pharmacist, Burnettsville, Ind.

ARTHUR B. CARR, pharmacist, Alabama and 19th Streets,
Indianapolis, Ind.

CHARLES CHAVIS, prescription clerk, with E. D. Stout, 2538
W. Michigan Street, Indianapolis, Ind.

CASSIUS E. ELLIOTT, pharmacist, Sheridan, Ind.

EDWARD FERGER, pharmacist, Illinois and Washington
Streets, Indianapolis, Ind.

GEORGE L. GARVER, 310 E. 13th Street, Connersville, Ind.

HELENA K. GRAY (Mrs. A. R. DeCosta), deceased.

EDWARD H. JACKSON, pharmacist, Long Beach, Cal.

WILLIAM C. JONAS, 27 N. Ninth Street, Hamilton, Ohio.

JOHN H. KAPPEL, pharmacist, 1336 W. Main Street, Fort
Wayne, Ind. Residence, 1137 E. Lewis Street.

CORYDON M. KNOWLTON, pharmacist, in the firm of Keene
& Knowlton, 803 Kansas Avenue, Topeka, Kas.

MARTIN J. MAUCH, prescription clerk, with E. B. Merritt,
Frankfort, Ind.

JOHN L. MCCLUNG, farmer, Rochester, Ind.

BERT L. McDILL, pharmacist, 2454 Central Avenue, Indian-
apolis, Ind.

CLAY F. MEEK, assistant in chemistry and student in the
Indiana Medical College, Indianapolis, Ind.

HUBERT O. MOORE, prescription clerk, with Charles C. Hahn,
Morris Street and Kentucky Avenue, Indianapolis, Ind.

HARRY C. NEWLAND, secretary Tennessee Club, Memphis,
Tenn.

GEORGE ORF, studying medicine, Central College of Phy-
sicians and Surgeons, Indianapolis, Ind.

SAMUEL R. PENSE, pharmacist, Rossville, Ind.

- CHARLES W. REHLING, address not received.
 ERNEST A. RICHEY, in the firm of The Noxol Printing Co.,
 388 East 36th Street, Chicago.
 REASON D. SANDERS, salesman, with Ward Bros. Drug Co.,
 Wholesale Druggists, Indianapolis, Ind.
 WILLIAM I. SCOTT, physician and pharmacist, Kokomo, Ind.
 WILLIAM J. SNODDY, pharmacist, in the firm of Snoddy &
 Haywood, W. LaFayette, Ind.
 BENJAMIN B. TAYLOR, deceased.
 JOHN F. THORNTON, dispensing pharmacist at the National
 Military Home, Marion, Ind.
 AGNES E. UHL, M. D., deceased.
 CHARLES E. VANDERKLEED, A. C., head chemist, with the
 H. K. Mulford Co., Philadelphia, Pa. Address, 5257
 Jefferson Street, West Philadelphia.
 WILLIAM M. WORSHAM, with J. L. Ashworth, Rushville,
 Ind.

1896.

- JOHN W. ALMOND, Ph. C., deceased.
 WILLIAM R. BANNON, Ph. C., address not received.
 HARRY A. BIRK, Ph. C., pharmacist, Birk's Pharmacy,
 Meridian and Ohio Streets, Indianapolis, Ind.
 J. E. BLINN, prescription clerk, with A. H. Stiles, Sioux
 Falls, South Dak.
 JOSEPH A. DEMMING, pharmacist, 863 St. Clair Street, Cleve-
 land, Ohio.
 FRED H. EBERSHOFF, prescription clerk, with E. M. Schnai-
 ble, LaFayette, Ind.
 HENRY G. FOEHL, address not received.
 H. E. FREEHAFFER, Ph. C., prescription clerk, with R. P.
 Milton, 117 W. Washington Street, South Bend, Ind.
 JOHN P. FRITZ, Ph. C., pharmacist, 637 Virginia Avenue,
 Indianapolis, Ind.
 EDWARD R. HACKETT, secretary to the Governor National
 Soldiers' Home, Johnson City, Tenn.

- F. P. HOOPENGARDNER, farmer, Ossian, Ind.
 HARRY C. HUNTER, pharmacist, Zanesville, Ind.
 CHARLES E. INCO, Ph. C., prescription clerk, with John Laval & Sons, 220 Main Street, Evansville, Ind.
 DAVID C. JORDAN, pharmacist, in the firm of McDonell & Jordan, Montpelier, Ind., and traveling salesman with the Sherwin-Williams Co., Cleveland, Ohio.
 L. B. KING, prescription clerk, with I. N. Heims, Market and Illinois Streets, Indianapolis, Ind.
 E. E. KRATZER, physician, Peru, Ind.
 EDWARD L. MERTZ, Ph. C., pharmacist, 2128 Calhoun Street, Fort Wayne, Ind.
 W. W. MULKEY, address not received.
 A. D. McDONELL, Ph. C., pharmacist, in the firm of McDonell & Jordan, Montpelier, Ind.
 C. M. McKELLIPS, Ph. C., Professor of Pharmacy, State Agricultural College, Corvallis, Ore.
 J. F. REINHART, pharmacist, in the firm of Zimmerman & Reinhart, 3103 S. Adams Street, Peoria, Ill.
 CARL SCHELLER, Evansville, Ind.
 EMIL N. SCHNAIBLE, Ph. C., pharmacist, 4th Street, LaFayette, Ind.
 INEZ THOMPSON, Ph. C., Elizabethtown, Ind.
 HARRY E. WEINLAND, Ph. C., prescription clerk, with F. W. Shultz, Brazil, Ind.

1897.

- EDMUND B. BARNARD, Ph. C., prescription clerk at Gate's Pharmacy, 1295 West Ravenswood Park, Chicago, Ill.
 HENRY M. BENTLY, Ph. C., pharmacist, Sidney, Ill.
 HARRY J. BORST, pharmacist, 1138 S. Meridian Street, Indianapolis, Ind.
 CHARLES B. CRISS, pharmacist, Lyons, Ind.
 CARM S. CUNNINGHAM, pharmacist, Goshen, Ohio.
 VINCENT A. DITTOE, prescription clerk, West's Boody House Pharmacy, Toledo, Ohio.

FRANK E. EHLE, Ph. C., pharmacist, in the firm of Davenport & Ehle, Bluffton, Ind.

FRANK R. ELDRED, analytical chemist, with Eli Lilly & Co., Manufacturing Pharmacists, Indianapolis, Ind. Address, No. 1111 N. Illinois Street.

HUGH GRIBBON, prescription clerk with C. C. Stratton, Ouray, Colo.

ADOLPH F. KLUTH, pharmacist, LaFayette, Ind.

AUGUST KOEHN, prescription clerk, with Hugo Eyssell, cor. 12th and Broadway, Kansas City, Mo.

LOUIS A. KRAMER, pharmacist, Washington and Clay Streets, Fort Wayne, Ind.

HENRY J. LINDAMAN, prescription clerk, with J. N. Jones, Washington, Ind.

JOHN W. MCKENZIE, Ph. C., physician, 608 N. West Street, Indianapolis, Ind.

HARRY G. NORWOOD, teller, Lebanon National Bank, Lebanon, Ind.

GEORGE J. NUSSBAUM, pharmacist, in the firm of Ranke & Nussbaum, 88 Calhoun Street, Fort Wayne, Ind.

DELPHA OREM, teaching in the public schools, Kokomo, Ind.

JOSEPH O. PERKINS, address not received.

GILBERT M. PHARES, manager Highland Stockfarm, Martinsville, Ind.

OSEE A. RENAHAN, prescription clerk, with Louis Mehlig, Kokomo, Ind.

FRANK A. ROESENER, pharmacist, in the firm of F. A. Roesener Co., Delaware and McCarty Streets, Indianapolis, Ind.

OSCAR E. RUSSELL, prescription clerk, with Bradley Bros., and secretary of the T. Rheumatic Cure Co., Huntington, Ind.

ROBERT B. SPRING, manufacturing pharmacist, with Ward Bros. Drug Company, wholesale druggists, Indianapolis, Ind.

CHARLES W. STARZ, with W. F. Starz & Co., dealers in grain and coal, Fowler, Ind.

WILL C. STURGIS, Ph. C., Secretary to Governor of the National Military Home, Marion, Ind.

ALBERT J. THOMPSON, Manager Thompson Drug Co., Graham, N. C.

EARL P. WAGNER, Ph. C., studying medicine College Physicians and Surgeons, Chicago. Residence, 824 Park Avenue, South Bend, Ind.

CARL C. WEISS, Ph. C., with A. Kiefer Co., wholesale druggists, Indianapolis, Ind.

FRED R. WIDMER, pharmacist, Dayton, Ind.

JESSE E. WILSON, prescription clerk, with Hurty-Francis Drug Company, Pennsylvania and Ohio Streets, Indianapolis, Ind.

ALBERT E. YEAGER, pharmacist, Jonesville, Ind.

1898.

THOMAS H. BATTLE, prescription clerk, with H. M. Holtz-claw, Perry, Ga.

GEORGE L. BERRY, pharmacist, Terre Haute, Ind.

J. L. BITTLE, grain merchant, Wingate, Ind.

EDGAR K. BRAZELTON, with the Lewis Drug Co., Camilla, Ga.

ERNEST E. BROCKMAN, Ph. C., address not received.

DEWITT G. BROWN, Ph. C., manager Malad Drug Co., Malad, Idaho.

ELMER R. BURGIN, prescription clerk, with C. G. Mueller, 1101 Virginia Avenue, Indianapolis, Ind.

THOMAS H. CLOSE, physician, Scottsburg, Ind.

JOHN W. CONNOR, prescription clerk, with Hogan Johnson Drug Co., LaFayette, Ind.

EARL H. COSNER, osteopathic physician, Upper Sandusky, Ohio.

EDWARD L. FIESER, pharmacist, Rochester, Ind.

GEORGE W. HAVENS, prescription clerk, with F. B. Johnson & Co., Rushville, Ind.

FRED C. KAPPUS, pharmacist, 514 Broadway, Loraine, Ohio.

WARREN M. KNAPP, pharmacist, in the firm of Knapp & Son, Flora, Ind.

WALTER S. LAWSON, secretary and treasurer of the Whiteford Chemical Co., 490 W. Madison Street, Chicago, Ill.

WILLIAM J. LENTZ, prescription clerk, with Gross Pharmacy Co., 16th and Lawrence Streets, Denver, Colo.

EUGENE D. LUKE, prescription clerk, with Houseworth Bros., Elkhart, Ind. Residence, 500 Virginia Avenue.

CHARLES R. LUSK, farmer, Bluffton, Ind.

OTTO LIENKAEMPER, prescription clerk, with Ragan Bros., LaFayette, Ind.

LEOPOLD A. MATTES, traveling salesman, with the Miles Medicine Co., Elkhart, Ind. Residence, 1312 S. Main Street, South Bend, Ind.

F. W. H. MEINZEN, pharmacist, 1420 Walton Avenue, Fort Wayne, Ind.

FRANKLIN W. MILLER, pharmacist, in the Miller Drug Co., 73 N. Main Street, Martinsville, Ind.

GUY B. MILLER, traveling salesman, with Faxon, Horton & Gallagher, wholesale druggists, Kansas City, Mo. Address, Wichita, Kas.

W. H. O. MINTER, address not received.

JUDSON D. MOSCHELLE, Ph. C., physician, 628 S. Meridian Street, Indianapolis, Ind.

SIEGMAR MÜHL, JR., prescription clerk, with S. Mühl, 2135 N. Illinois street, Indianapolis, Ind.

CLYDE McCARTY, with the Nebraska Telephone Co., Omaha, Neb.

AUGUSTUS McMILLAN, Ph. C., West LaFayette, Ind.

CLARENCE S. PRENTISS, Ph. C., address not received.

EDWARD L. RUDIG, deceased.

J. W. MILLER SCHMITT, deceased.

- FREDERICK W. STELLHORN, pharmacist, Creighton Avenue and Oliver street, Fort Wayne, Ind.
- HENRY V. VOGES, Ph. C., chemist to the Tilden Co., 1718 Olive Street, St. Louis, Mo.
- FRED H. VOGT, pharmacist, 944 E. Washington Street, Indianapolis, Ind.
- CHARLES A. WARREN, Ph. C., book salesman, 117 Jones Street, San Francisco, Cal.

1899.

- WARREN N. BENSON, Ph. C., salesman Eli Lilly & Co., manufacturing pharmacists, Indianapolis, Ind.
- HALLIE J. BERNHARD, pharmacist, Palmyra, Mo.
- WM. M. BLAIR, Ph. C., salesman, with Park, Davis & Co., manufacturing pharmacists, Detroit, Mich. Address, 124 S. 5th Street, Terre Haute, Ind.
- ERNEST A. BROWN, prescription clerk, with Wells, Yeager & Best Co., LaFayette, Ind.
- JOHN LOUIS BUTSCH, Ph. C., assistant in the chemical laboratory, Indiana State Normal School, Terre Haute, Ind.
- HENRY L. BYERS, address not received.
- WALTER M. CARAWAY, with the Muskogee Cigar Co., Muskogee, Indian Territory.
- KARL J. DECKER, Ph. C., traveling salesman, with The Miles Medicine Co., Elkhart, Ind. Address, Boston, Mass.
- WM. F. DOWNS, shipping clerk, drug department, Montgomery Ward & Co., Chicago, Ill. Address 2710 Calumet Ave.
- ERNEST ELLIOTT, pharmacist, St. Johns, Ore.
- JOHN A. GARRETTSON, studying medicine, Indiana Medical College, Indianapolis, Ind.
- FRED D. HERBOLD, address not received.
- CHAUNCEY R. HITCH, pharmacist, 1302 Howell Street, LaFayette, Ind.

- CHARLES O. HOFFMAN, pharmacist, Arcanum, Ohio.
 SHERMAN A. JOHNSON, Ph. C., physician, Madison, Wis.
 J. F. W. KANZLER, prescription clerk, with Eagle Pharmacy,
 Hammond, Ind.
 A. H. KING, 644 North Pennsylvania Street, Indianapolis,
 Ind.
 J. E. LEMMON, pharmacist, Washington, Iowa.
 ELBERT B. MERRITT, Ph. C., pharmacist, Frankfort, Ind.
 FRED A. MOORE, prescription clerk, with J. D. King & Co.,
 13th and Main Streets, Terre Haute, Ind.
 THOMAS E. MORRIS, pharmacist, Atlanta, Ind.
 CHARLES J. MOUTOUX, Ph. C., Indianapolis, Ind.
 HENRY M. MUGG, physician, Clark's Hill, Ind.
 CHARLES W. ORR, pharmacist, in the firm of Orr & Son,
 Arcadia, Ind.
 WILLIAM M. PURDY, prescription clerk, with Geo. N.
 Whipple, 222 Orleans Street, Detroit, Mich.
 JOHN D. PHELAN, pharmacist, Alabama and 16th Streets,
 Indianapolis, Ind.
 CHARLES W. SCOTT, prescription clerk, with J. M. Scott &
 Son, Illinois and 16th Streets, Indianapolis, Ind.
 JOSEPH A. SIGL, address not received.
 OTTO L. SNYDER, address not received.
 WALTER C. STEDTFELDT, pharmacist, 2401 N. Illinois Street,
 Indianapolis, Ind.
 CLEM THISTLETHWAITE, address not received.
 CLARENCE B. WATERS, pharmacist, 106 N. Barron Street,
 Eaton, Ohio.
 OLIVER P. WITHERS, pharmacist, 1243 Oliver Avenue, Indi-
 anapolis, Indiana.

1900.

- JACOB B. CLEM, manager for D. S. Redelsheimer, Monroe-
 ville, Ind.
 FRANK S. CROCKETT, interne City Dispensary, Indianapolis,
 Ind.

- GUY F. DAVIS, prescription clerk, with Long & Etter, Lebanon, Ind.
- GUS FERGER, prescription clerk, with Edward Ferger, Illinois and Washington Streets, Indianapolis, Ind.
- AUGUST L. FLANDERMAYER, pharmacist, 1495 Pearl Street, Cleveland, Ohio.
- CHARLES H. FRANZ, manager Conrad Keller Pharmacy, 1344 S. Meridian Street, Indianapolis, Ind.
- CHARLES W. FRIEDMAN, prescription clerk, with Charles B. Moellering, Ft. Wayne, Ind.
- EDMUND A. GEYER, prescription clerk, with Charles Coonley & Co., South Bend, Ind. Address, 503 W. Marion Street.
- JOSEPH E. HANEY, pharmacist, Peru, Ind.
- CHARLES L. HOFFMAN, deceased.
- WALTER W. JOHNSTON, prescription clerk, with H. S. Foulkes, 401 N. Fourth Street, Terre Haute, Ind.
- ROY C. MCKENNAN, pharmacist, in the firm of S. O. McKennan & Son, 521 Central Avenue, Connersville, Ind.
- CHARLES S. MILLER, physician, 249 Whitehall, Atlanta, Ga.
- FRANK E. MILLER, deceased.
- ALONZO M. PECKA, prescription clerk, with Bell's Pharmacy, 22 N. Church Street, Tucson, Ariz.
- ELZA O. RINGWALT, prescription clerk, with H. C. Raffensperger, 449 E. South Street, Indianapolis, Ind.
- CHARLES SHROYER, prescription clerk, with I. D. Webb, Warsaw, Ind.
- CLYDE N. SMITH, prescription clerk, with Columbian Drug Store, Knightstown, Ind.
- JOHN W. TUDOR, prescription clerk, with J. A. Tudor, Homer, Ill.
- PAUL E. WOLTER, prescription clerk, with Leo Eliel, 230 W. Washington Street, South Bend, Ind.
- CHRISTIAN H. YOUNG, prescription clerk, with Can Drug Co., Reno, Nev.

1901.

- WILLIAM C. BARTHOLOMEW, department of chemical research, Eli Lilly & Co., manufacturing pharmacists, Indianapolis, Ind. Address, 222 E. Pratt Street.
- WILLIAM E. BIXLER, pharmacist, Cynthiana, Ind.
- AVERY E. DEUPREE, prescription clerk, with Mutz & Lynch, Edinburg, Ind.
- RALPH E. DORLAND, pharmacist, Williamsport, Ill.
- EVAN A. EVANS, student College of Physicians and Surgeons, Indianapolis, Ind.
- JOHN FOSLER, prescription clerk, with C. T. Bedford, Indianapolis, Ind.
- JOHN S. GATES, with the Indiana Steel & Wire Co., Muncie, Ind.
- JESSE M. HARDMAN, prescription clerk, with Schaefer & Schaefer, Huntington, Ind.
- PHILIP G. HAUSS, 919 N. Senate Avenue, Indianapolis, Ind.
- EUGENE JALBERT, manager of the Smead Drug Co., 32d and Hoover Streets, Los Angeles, Cal.
- ROY M. JENNER, deceased.
- JOHN G. JONES, studying medicine, Indiana Medical College, Indianapolis, Ind.
- ALBERT V. KIENLY, pharmacist, 6th and Main Streets, LaFayette, Ind.
- D. RALPH LUCAS, student College of Physicians and Surgeons, New York City. Address, 408 W. 58th Street.
- GUY L. MCCARGAR, with the C. F. Adams Co., Installment House, Buffalo, N. Y.
- ALBERT M. MCCLINTIC, farming, Columbus, Ind.
- FRED MASON, prescription clerk, Pfau Pharmacy, Jeffersonville, Ind.
- WILLIAM C. MENAUGH, prescription clerk, with Homer D. Bassett, 904 Massachusetts Avenue, Indianapolis, Ind.
- JAMES MONTGOMERY, prescription clerk, with E. E. Hess, Brook, Ind.

- WILLIAM C. NORRIS, prescription clerk, Norris Pharmacy,
Frankfort, Ind.
- CHARLES T. PELZ, prescription clerk, with H. J. Schlaepfer,
Evansville, Ind.
- OSCAR PHILLIPS, address not received.
- LEWIS W. RAGAN, pharmacist, in the firm of Ragan Bros.,
LaFayette, Ind.
- HARRY C. RANDEL, pharmacist, Ninth and Main Streets,
Terre Haute, Ind.
- ROBERT R. RICE, pharmacist, LaFayette, Ind.
- HARRY H. RILEY, prescription clerk, with T. M. Henry &
Co., Greensburg, Ind.
- WALTER L. SALMON, pharmacist, Brownsburg, Ind.
- ALEXANDER SAVAGE, prescription clerk, with Nye & Booe,
Crawfordsville, Ind.
- JOHN J. SCHÖNHOLTZ, manager Indiana Chemical Co., 330
Lemcke Building, Indianapolis, Ind.
- ERMEN N. SHANK, pharmacist, in the firm of Shank & Son,
Angola, Ind.
- HELMER W. SMIDT, with the Illinois Steel Co., Joliet, Ill.
Address, 1111 Cass Street.
- MERLE C. SMITH, pharmacist, Osgood, Ind.
- HARRY SPICELY, pharmacist, Indianapolis, Ind.
- WILLIAM E. STUCKMEYER, 847 English Avenue, Indianap-
olis, Ind.
- IRA L. TODD, pharmacist, Pine and English Ave., Indianap-
olis, Ind.

1902.

- HERMAN BRIZIUS, prescription clerk, with H. J. Schlaepfer,
Evansville, Ind.
- STEPHEN M. DAVIS, farming, Hillsboro, Ind.
- JOHN H. DUMBAULD, prescription clerk, with A. J. Stevens,
158 E. Market Street, Huntington, Ind.
- ARTHUR J. ESTABROOK, with U. G. Manning, drug adver-
tising, South Bend, Ind.

- OTTO D. FERGER, prescription clerk, with Edward Ferger, Illinois and Washington Streets, Indianapolis, Ind.
- WILLIAM N. FITZ, address not received.
- DAVID W. FOSLER, studying medicine at the Medical College of Indiana, Indianapolis, Ind.
- WILLIAM C. FREUND, prescription clerk, with Fred H. Vogt, 944 E. Washington Street, Indianapolis, Ind.
- WILLIAM H. FULLING, in the United States Navy.
- SOLOMON GOLDSMITH, prescription clerk, with E. Wilson, Illinois and Maryland Streets, Indianapolis, Ind.
- CHARLES U. HANNA, prescription clerk, with J. C. Carson & Co., West LaFayette, Ind.
- GEORGE H. HOLLIS, pharmacist, 4th Street, LaFayette, Ind.
- ALBERT M. HOPPER, pharmacist, in the firm of Hopper Bros., Dunkirk, Ind.
- WILLIAM P. JOHNSON, prescription clerk, with A. C. Pilkenton, Greenfield, Ind.
- DANIEL M. JONES, prescription clerk, with A. B. Jones, Lebanon, Ind.
- JOSEPH A. KARDIS, prescription clerk, with O. A. Means, Fourth and Broadway Streets, Logansport, Ind.
- FREDERIC C. KELLAR, pharmacist, Brazil, Ind.
- LEROY B. KERLIN, prescription clerk, with Lytle & Orr, Delphi, Ind.
- ROBERT C. KING, with DePuy Manufacturing Co., wire and fibre splints, Niles, Mich.
- OVID B. LEWARK, prescription clerk, with Briggs & Cotton Co., Colorado Springs, Colo.
- RICHARD C. LIVINGSTON, prescription clerk, with Ira Harrison, 252 S. Broadway, Denver, Col.
- ELLA B. LIVINGSTON, Denver, Colo.
- HENRY LUBBERS, pharmacist, in the firm of DeKruif & Lubbers, Orange City, Iowa.
- GARFIELD A. LUCAS, in the laboratory of the Lohman-Vincent Co., LaFayette, Ind.

- OTTO McCARTY, pharmacist, in the firm of J. H. McCarty & Son, Carthage, Ind.
- ALVA A. McROBERTS, prescription clerk, with J. L. Adams & Co., 601 Main Street, Richmond, Ind.
- ORRA MATTHEW, pharmacist, Mitchell, Ind.
- JOHN H. MEISER, pharmacist, Monticello, Ind.
- ARTHUR B. METCALF, prescription clerk, with J. D. Gauld, Indianapolis, Ind. Address, 931 North Senate Avenue.
- FREDERICK W. MILLER, pharmacist, in the firm of Miller & Son, 1801 LaFayette Street, Fort Wayne, Ind.
- WADE H. MOSSMAN, with W. L. Bruch, 3008 South Washington Street, Marion, Ind.
- JOHN L. PAULLUS, pharmacist, in the firm of Paullus Bros., 3806 South Washington Street, Marion, Ind.
- WILLIAM D. REITER, prescription clerk, with Holthouse Drug Co., Decatur, Ind.
- JESSE S. RUCKER, prescription clerk, with Geo. F. Mowrer, New Castle, Ind.
- HERMAN W. SANDER, photographer, Enid, Okla. T.
- ARCIENIKOS P. SCOTT, prescription clerk, with T. J. Cronin, Hartford City, Ind.
- CHARLES SHULTIS, prescription clerk, with Boyce Bros., Brooklyn, Mich.
- RALPH M. STORMONT, dispensing pharmacist at Eastern Indiana Hospital for Insane, Richmond, Ind.
- JAMES H. TAYLOR, deceased.
- HARRY L. WILT, pharmacist, Portland, Ind.

1903.

- WILLIAM C. ALBERTSON, prescription clerk, with Hahne & O'Mara, Fairmount, Ind.
- HARRY E. ALLEMAN, prescription clerk, with Alex. Ruh, Rochester, Ind.
- HARRY S. ALLEN, prescription clerk, with Henry J. Huder, Indianapolis, Ind.

- WILLIAM F. BENNINGHOFF, prescription clerk, with Fox Pharmacy, 1227 Oliver Avenue, Indianapolis, Ind.
- JAMES F. BENCE, salesman, with the Mooney-Mueller Drug Co., wholesale druggists, Indianapolis, Ind.
- WALTER F. BONGE, prescription clerk, with the Chambers Pharmacy, Montpelier, Ind.
- REYNOLDS COUDEN, pharmacist, in the firm of A. B. Graham & Co., Mishawaka, Ind.
- JOSEPH D. CONNELLY, prescription clerk, with the Buntin Drug Co., Terre Haute, Ind.
- EDWIN W. ESSLINGER, student, Purdue University.
- CHARLES M. FOX, prescription clerk, with H. E. Glick, North 9th Street, LaFayette, Ind.
- EDISON M. GARVER, prescription clerk, with J. F. Brennan, 12th and Market Streets, Logansport, Ind.
- JAMES E. GAYLORD, prescription clerk, with Bradley Bros., Wabash, Ind.
- GUY H. GUTHRIE, Assistant in Chemistry, School of Pharmacy, Purdue University.
- EDWIN J. HONER, prescription clerk, with J. D. Bartlett, Main Street, LaFayette, Ind.
- RUEL L. HOPKINS, prescription clerk, with J. H. Orr & Son, Arcadia, Ind.
- CLARENCE D. HOUCK, pharmacist, Shirley, Ind.
- STANLEY W. JONES, prescription clerk, with O. L. Bishop, Shelbyville, Ind.
- OTTO N. KADEL, prescription clerk, with Red Cross Pharmacy, 13th and Poplar Streets, Terre Haute, Ind.
- ARTHUR C. MCCLINTOCK, prescription clerk, with Chas. McClintock, Salem, Ind.
- PEARL D. MARINE, prescription clerk, with Beasley's Pharmacy, Fairmount, Ind.
- LEROY M. MEARS, prescription clerk, with Wood's Pharmacy, LaFayette, Ind.
- ROBERT A. MORRIS, pharmacist, Loogootee, Ind.

- EDWIN W. ORAHOOD, prescription clerk, with L. J. Hunter, Tracy, Minn.
- HENRY F. OSTERMAN, in laboratory of the W. F. Peter Drug Co., Seymour, Ind.
- JESSE R. PURKEY, pharmacist, in the firm C. I. Purkey & Son, Morocco, Ind.
- CHARLES E. REED, pharmacist, Winchester, Ind.
- ROBERT A. REYNOLDS, pharmacist, Milford, Ind.
- STEWART W. RUCK, prescription clerk, with Ashman & Cullom, Frankfort, Ind.
- LULU D. RUDDER, prescription clerk, with Rudder Pharmacy, Salem, Ind.
- OTTO B. SCHAAF, with Lohman-Vincent Co., LaFayette, Ind.
- NOBLE C. STIVER, prescription clerk, with William I. Scott, Kokomo, Ind.
- ARTHUR G. SWAIDNER, prescription clerk, with Denslow Bros., Allegheny, Penn.
- CHARLES W. THOMSON, Flora, Ind.
- EUGENE C. WILDER, prescription clerk, with ———, Eastman, Ga.
- HENRY V. WINK, prescription clerk, with F. W. Green, Elwood, Ind.
- BRADY V. WINSLOW, prescription clerk, with J. D. Jansing, 1519 Barrett Avenue, Louisville, Ky.
- MILO B. WRIGHT, in laboratory of the W. F. Peter Drug Co., Seymour, Ind.
- FLOYD V. ZIMMERMAN, prescription clerk, with F. C. Lynch, Warsaw, Ind.

With the Degree of Bachelor of Science in Pharmacy.

1898.

CHASE WOOD, manager Wood's Pharmacy, LaFayette, Ind.

1899.

CHARLES E. VANDERKLEED, A. C., head chemist, with the
H. K. Mulford Co., Philadelphia, Pa. Address, 5251
Jefferson Street, West Philadelphia.

EARL A. MEANS, traveling salesman, with Weber Drug Co.,
Claypool Hotel, Indianapolis, Ind.

1900.

ELBERT W. RAWLINGS, in the firm of George & Rawlings,
photographers, Marion Building, Indianapolis, Ind.

WILBUR P. WESTFALL, pharmacist, in the firm of Westfall
Drug Co. (two stores), Oklahoma City, Okla.

1901.

JOSIAH H. ANDREWS, bookkeeper, First National Bank,
Seymour, Ind.

EDWIN C. FORD, New Harmony, Ind.

THOMAS L. HAYWOOD, pharmacist, in the firm of Snoddy &
Haywood, West LaFayette, Ind.





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